BLACK BOX®
NETWORK SERVICES

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FREE 24-hour Tech Support: 724-746-5500
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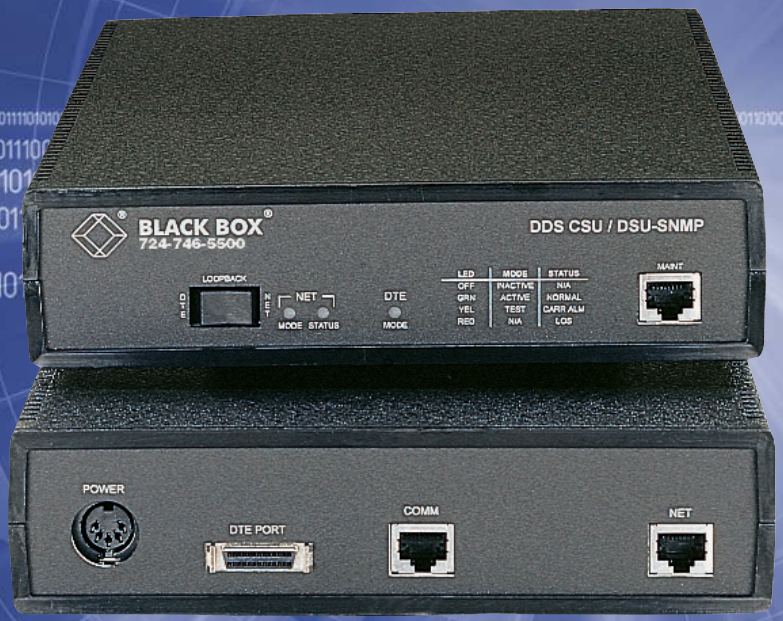
DDS CSU/DSU with SNMP



This SNMP-managed CSU/DSU makes troubleshooting easier!

FEATURES

- **Use built-in SNMP agent for easy management or manage from an attached ASCII terminal.**
- **SNMP MIB II compliant.**
- **SLIP interface.**
- **Easy troubleshooting for the CSU/DSU and your network.**
- **Works over Frame Relay and supports SW56.**

OVERVIEW

Configure, control, and diagnose your SNMP-manageable CSU/DSU right from your central LAN management console and get total network management, too.

The BLACK BOX® DDS CSU/DSU provides an intelligent interface between a 4-wire Digital Data Service (DDS) network and your data terminal equipment. It's flexible enough to work in any 56-kbps DDS application and is also ideal for dedicated point-to-point links within a WAN. The DDS CSU/DSU also provides easy WAN access to LAN internetworking, CAD/CAM, and videoconferencing equipment.

You can attach this single-port device to an ASCII terminal or an SNMP workstation using its built-in SNMP agent, accessible through a SLIP interface. SNMP MIB II compliance makes this 56K unit compatible with popular network management systems like HP® OpenView®.

For SW56 applications, you can dial a stored number when a DTE signal is raised, from the console, or via SNMP. You can also operate SW56 dial/disconnect and answer functions through its front-panel rocker switch.

LEDs indicate NET mode and status, and DTE Mode. Plus, you can use loopbacks and a bit error rate test (BERT) pattern for diagnostics.

The user interface configuration is controlled with access password protection and is menu driven. A graphically illustrated configuration screen shows alarms and operation status, as well as BERT diagnostic information. The DDS CSU/DSU constantly collects statistical information on the network, DTE, and SNMP (SLIP) interfaces as it searches for network degradation. When it detects a problem, you can run loopback tests and a BERT test to isolate its source.

In addition, the DDS CSU/DSU offers line-driving capabilities, supporting distances of up to 7 miles (11.2 km) at 56 kbps over 100-ohm 22 AWG shielded twisted-pair cable.

TECH SPECS

Compatibility — AT&T® Digital Data System (DDS) Pub 62310, AT&T ACCUNET Switched 56, US Sprint® VPN 56
Data Rate — 56 kbps
Diagnostics — V.54, DDS, DTE, local-unit and remote-unit loopbacks; internal 511 BERT
Distance — Line driving capability up to 7 mi. (11.2 km) at 56 kbps on 22 AWG shielded twisted-pair cable
MTBF — 100,000 hours
Operation — Full-duplex
Protocol — Sync
User Controls — (1) Loopback test button
Interface — V.35, SLIP
Connectors — (1) RJ-48 for NET, (1) DB26 F, (1) RJ-45 for terminal, (1) RJ-45 for printer, (1) 5-pin DIN for power
Indicators — (3) 4-State LEDs: (1) NET Mode LED (Off=Inactive, Green=Active, Yellow=Test, Red=N/A); (1) NET Status LED (Off=N/A, Green=Normal, Yellow=Carrier Alarm, Red=LOS); (1) DTE Mode LED: (Off=Inactive, Green=Active, Yellow=Test, Red=N/A)
Temperature Tolerance — 32 to 122°F (0 to 50°C)
Humidity Tolerance — Up to 95%, noncondensing
Power — External 115 VAC, 60 Hz
Size — 2"H x 7.7"W x 10.5"D (5.1 x 19.6 x 26.7 cm)
Weight — 3 lb. (1.4 kg)

Item	Code
DDS CSU/DSU with SNMP (56K)	**MT147A**

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- **You wait more than 30 minutes to get through to a vendor's tech support.**
- **The so-called "tech" can't help you or gives you the wrong answer.**
- **You don't have a purchase order number and the tech refuses to help you.**
- **It's 9 p. m. and you need help, but your vendor's tech support line is closed.**

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.